

Abstract of the Disclosure

Summary This invention pertains to a panelized modular construction system which employs a variety of square, rectangular and triangular panel shapes related to each other, being derived from a common grid subdivided cube. Combining these shapes of thickness practical for architectural application, these panels must be capable of being joined in many different angles and combinations along their sides, and in an unlimited combinations of angles at their corners. This construction system eliminates the strut and node framework typically found in many modular structures based on the geometry of various polyhedral forms. Located in the space between the sides of panels being joined, are simple connecting elements, independent of the panels, employed so as to join panels to each other in a manner that easily accommodate varying numbers and dihedral angles through almost 360 degrees. At the corners, the same versatility is achieved through a variation of the independent connecting element configurations, which allow panel corners to be joined in a manner that creates a structural hub, replacing the node connector typically found in prior art construction systems.

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